

CLAIMS

What is claimed is:

1 1. A method of making insulation, comprising:
2 providing a sheet of insulation material
3 having a jacket, said jacket having an inner side and an
4 outer side, and an insulation portion attached to said inner
5 side of said jacket; said jacket extending beyond said
6 insulation portion to form a longitudinally extending flange
7 having a free end;
8 fixing an elongated strip of material to said
9 flange, said strip of material extending beyond said free end
10 of said flange for substantially the length of said flange,
11 and said free end of said flange being independently movable
12 with respect to said strip of material; and
13 providing an adhesive portion on said strip
14 of material, said adhesive portion being covered by a
15 removable release member to allow said adhesive portion to be
16 selectively exposed, and said adhesive portion being
17 configured, upon removal of said release member, to adhere to
18 said flange such that said strip of material substantially
19 covers said flange and said free end of said flange is
20 substantially fixed to said strip of material.

1 2. The method as defined in claim 1, wherein
2 said sheet of insulation material is generally rectangular
3 and further comprising forming said sheet of insulation

4 material to a predetermined length dimension and a
5 predetermined width dimension.

1 3. A method of installing insulation for a fluid
2 conduit, the method comprising:

3 providing a sheet of insulation material
4 having a jacket, said jacket having an inner side, an outer
5 side generally opposite said inner side and a first edge;
6 said insulation material having an insulation portion
7 attached to said inner side of said jacket portion; said
8 jacket extending beyond said insulation portion and forming a
9 flange having a free end generally opposite said jacket edge;
10 said flange defining an inner side and an outer side
11 generally opposite said inner side; said flange having an
12 elongated strip of material attached to said outer side of
13 said flange, said strip of material extending beyond said
14 free end of said flange for substantially the length of said
15 flange, and said free end of said flange being movable
16 generally independent of said strip of material; said strip
17 of material having an adhesive portion, said adhesive portion
18 being covered by a removable release member to allow said
19 adhesive portion to be selectively exposed, and said adhesive
20 portion being configured, upon removal of said release member
21 to adhere to said flange such that said strip of material
22 substantially covers said flange and said free end of said
23 flange is substantially fixed to said strip of material;

24 applying said insulation material to the
25 fluid conduit such that said flange and said outer side of
26 said jacket are substantially adjacent one another;

27 attaching said flange to said outer side of
28 said jacket;

29 removing said release member from said strip
30 of material; and

31 attaching said adhesive portion of said strip
32 of material to said outer side of said flange.

1 4. The method as defined in claim 3, further
2 comprising, after attaching said flange to said outer side of
3 said jacket, attaching said adhesive portion of said strip of
4 material to said outer side of said jacket.

1 5. The method as defined in claim 3, wherein
2 said attaching of said flange to said outer side of said
3 jacket is accomplished using mechanical fasteners carried in
4 said jacket adjacent said first edge of said jacket; and
5 further comprising substantially covering said mechanical
6 fasteners with said adhesive portion of said strip of
7 material.

1 6. The method as defined in claim 3, further
2 comprising providing a tab on said jacket, said tab extending
3 outwardly from said first edge of said jacket, said tab
4 including a tab adhesive portion and a removable tab release

5 member covering said tab adhesive portion, said tab release
6 member being configured to allow said tab adhesive portion to
7 be selectively exposed;
8 removing said tab release strip; and
9 adhering said tab adhesive portion to the
10 fluid conduit.

1 7. A method of installing insulation for a fluid
2 conduit, the method comprising:
3 providing a sheet of insulation material
4 having a jacket, said jacket having an inner side, an outer
5 side generally opposite said inner side and a first edge;
6 said insulation material having an insulation portion
7 attached to said inner side of said jacket portion; said
8 jacket extending beyond said insulation portion and forming a
9 flange having a free end generally opposite said jacket edge;
10 said flange defining an inner side and an outer side
11 generally opposite said inner side;
12 providing an elongated strip of material of
13 predetermined width and having a first edge and a second
14 edge, said strip of material including a first adhesive
15 portion generally adjacent said first edge thereof, said
16 first adhesive portion being covered by a first removable
17 release member to allow said first adhesive portion to be
18 selectively exposed; said elongated strip of material
19 including a second adhesive portion generally adjacent said

20 first adhesive portion; said second adhesive portion being
21 covered by a second removable release member to allow said
22 second adhesive portion to be selectively exposed;

23 removing said first release member and
24 attaching said first adhesive portion such that said strip of
25 material extends by a predetermined distance beyond said free
26 end of said flange for substantially the length of the
27 flange;

28 applying said insulation material to the
29 fluid conduit such that said flange and said outer side of
30 said jacket are substantially adjacent one another;

31 attaching said flange to said outer side of
32 said jacket;

33 removing said second release member from said
34 strip of material; and

35 attaching said second adhesive portion of
36 said strip of material to said outer side of said flange.

1 8. The method as defined in claim 7, further
2 comprising, after attaching said flange to said outer side of
3 said jacket, attaching said adhesive portion of said strip of
4 material to said outer side of said jacket.

1 9. The method as defined in claim 7, wherein
2 said first adhesive portion extends from approximately said
3 first edge end for approximately one third of the width of
4 said strip of material and said second adhesive portion

5 extends from approximately said first adhesive portion to
6 said second edge.

1 10. The method as defined in claim 7, wherein
2 said first adhesive portion attaches said strip of material
3 to said flange, and approximately two thirds of the width of
4 said strip of material being substantially free from
5 attachment to said flange, and approximately one third of the
6 width of said strip of material extending beyond said free
7 end of said flange.

1 11. Insulation material for fluid conduits,
2 comprising:

3 a jacket, said jacket having an inner side
4 and an outer side and a first edge;

5 insulation attached to said inner side of
6 said jacket, said jacket extending beyond said insulation and
7 configured to form a flange having a free end generally
8 opposite said first edge of said jacket; said flange defining
9 an inner side and an outer side substantially opposite said
10 inner side;

11 said first edge of said jacket and said
12 second edge of said jacket being configured to be generally
13 adjacent one another upon said jacket being wrapped around
14 the fluid conduit;

15 an elongated strip of material integral with
16 and extending substantially the length of said flange and

17 defining a strip free end separate from said free end of said
18 flange, said free end of said flange being configured to be
19 independently movable with respect to said strip free end;
20 and

21 said strip of material having an adhesive
22 portion and a removable release member covering said adhesive
23 portion, said release member being configured to allow said
24 adhesive portion to be selectively exposed, and said adhesive
25 portion being configured, upon removal of said release member
26 and upon said flange and said first end of said jacket being
27 adjacent one another, to adhere to said outer side of said
28 flange.

1 12. The insulation material as defined in claim
2 11, further comprising said strip of material being
3 configured to extend beyond said free end of said flange by a
4 predetermined distance.

1 13. The insulation material as defined in claim
2 11, further comprising said strip of material being
3 configured to extend beyond said free end of said flange by a
4 predetermined distance and said adhesive portion being
5 configured, upon removal of said release member, to contact
6 said outer side of said jacket.

1 14. Insulation material for fluid conduits,
2 comprising:

3 a jacket, said jacket having an inner side
4 and an outer side and a first edge;

5 insulation attached to said inner side of
6 said jacket, said jacket extending beyond said insulation and
7 configured to form a flange having a free end opposite said
8 first edge; said flange defining an inner side and an outer
9 side generally opposite said inner side;

10 said first edge of said jacket and said free
11 end of said flange being configured to be generally adjacent
12 one another upon said jacket being wrapped around the fluid
13 conduit;

14 an elongated flap attached to said flange and
15 extending beyond said free end of said flange for
16 substantially the length of said flange, said flap defining a
17 first edge and a flap free end and said free end of said
18 flange being configured to be independently movable with
19 respect to said flap free end; and

20 said flap having an adhesive portion and a
21 removable release member covering said adhesive portion, said
22 release member being configured to allow said adhesive
23 portion to be selectively exposed, and said adhesive portion
24 being configured, upon removal of said release member and
25 upon said flange and said first end of said jacket being
26 adjacent one another, to adhere to said outer side of said
27 flange and to extend by a predetermined distance beyond said
28 free end of said flange.

1 15. The insulation material as defined in claim
2 14, further comprising said jacket including metal prong
3 fasteners adjacent said first edge of said jacket for
4 engaging and securing said flange to said jacket.

1 16. The insulation material as defined in claim
2 14, further comprising said jacket including metal prong
3 fasteners adjacent said first edge of said jacket for
4 engaging and securing said flange to said jacket.

1 17. The insulation material as defined in claim
2 14, further comprising:

3 said jacket including fasteners adjacent said
4 first edge of said jacket for engaging and securing said
5 flange to said jacket; and

6 wherein said adhesive portion of said flap of
7 material is configured to cover said fasteners and adhere to,
8 said flange.

1 18. The insulation material as defined in claim
2 14, further comprising:

3 said jacket including fasteners adjacent said
4 first edge of said jacket for engaging and securing said
5 flange to said jacket; and

6 wherein said adhesive portion of said flap is
7 configured to cover said fasteners and adhere to said jacket.

1 19. The insulation material as defined in claim
2 14, further comprising:

3 fasteners in said jacket for engaging said
4 flange, said fasteners each including a fastener adhesive
5 portion and a removable fastener release member covering said
6 fastener adhesive portion, said fastener release member being
7 configured to allow said fastener adhesive portion to be
8 selectively exposed, and said fastener adhesive portion being
9 configured, upon removal of said fastener release member, to
10 adhere to the fluid conduit; and

11 wherein said adhesive portion of said flap is
12 configured to cover said fasteners.

1 20. The insulation material as defined in claim
2 14, further comprising:

3 at least one tab attached to and extending
4 outwardly from said first edge of said jacket for engaging
5 the fluid conduit, said tab including a tab adhesive portion
6 and a removable tab release member covering said tab adhesive
7 portion, said tab release member being configured to allow
8 said tab adhesive portion to be selectively exposed, and said
9 tab adhesive portion being configured, upon removal of said
10 tab release member, to adhere to the fluid conduit.

1 21. The insulation material as defined in claim
2 14, wherein said flap is of a predetermined width and

3 includes a first edge generally opposite said flap free end;
4 and further comprising a flange adhesive portion extending
5 from approximately said first edge end for approximately one
6 third of the width of said flap and said flange adhesive
7 portion attaching said flap to said flange, and approximately
8 two thirds of the width of said flap being substantially free
9 from attachment to said flange, and approximately one third
10 of the width of said flap extending beyond said free end of
11 said flange.

1 22. The insulation material as defined in claim
2 14, wherein:

3 said flap is of a predetermined width and
4 includes a first edge generally opposite said flap free end;
5 and

6 said adhesive portion extends from
7 approximately said first edge for approximately one third of
8 the width of said flap.

1 23. Insulation material for fluid conduits,
2 comprising:

3 a jacket, said jacket having an inner side
4 and an outer side and a first edge;

5 insulation attached to said inner side of
6 said jacket, said jacket extending beyond said insulation and
7 configured to form a flange having a free end opposite said

8 first edge; said flange defining an inner side and an outer
9 side generally opposite said inner side;

10 said first edge of said jacket and said free
11 end of said flange being configured to be generally adjacent
12 one another upon said jacket being wrapped around the fluid
13 conduit;

14 an elongated flap attached to said flange and
15 extending beyond said free end of said flange for
16 substantially the length of said flange, said flap defining a
17 flap free end and said free end of said flange being
18 configured to be independently movable with respect to said
19 flap free end;

20 said flap having an adhesive portion and a
21 removable release member covering said adhesive portion, said
22 release member being configured to allow said adhesive
23 portion to be selectively exposed, and said adhesive portion,
24 being configured, upon removal of said release member and
25 upon said flange and said first end of said jacket being
26 adjacent one another, to adhere to said outer side of said
27 flange and to extend by a predetermined distance beyond said
28 free end of said flange;

29 said jacket including fasteners adjacent said
30 first edge of said jacket adapted for engaging and securing
31 said flange to said jacket, upon said flange and said first
32 end of said jacket being adjacent one another, said fasteners
33 each including a fastener adhesive portion and a removable

34 fastener release member covering said fastener adhesive
35 portion, said fastener release member being configured to
36 allow said fastener adhesive portion to be selectively
37 exposed, and said fastener adhesive portion being configured,
38 upon removal of said fastener release member, to adhere to
39 the fluid conduit, and said adhesive portion of said strip of
40 material being configured to cover said fasteners and adhere
41 to said jacket; and

42 at least one tab attached to and extending
43 outwardly from said first edge of said jacket for engaging
44 the fluid conduit, said tab including a tab adhesive portion
45 and a removable tab release member covering said tab adhesive
46 portion, said tab release member being configured to allow
47 said tab adhesive portion to be selectively exposed, and said
48 tab adhesive portion being configured, upon removal of said
49 tab release strip, to adhere to the fluid conduit.

1 24. Insulation material attachable to adjacent
2 insulation material on fluid conduits, comprising:

3 a jacket, said jacket having an inner side
4 and an outer side and a first end;

5 insulation attached to said inner side of
6 said jacket, said jacket extending beyond said insulation and
7 being configured to form a flange, said flange defining a
8 free end generally opposite said first end and an inner side
9 and an outer side generally opposite said inner side;

10 said flange of said jacket being configured
11 to extend above and over the adjacent insulation material of
12 the fluid conduit;

13 said jacket including a flap extending beyond
14 said free end of said flange, said flap defining a free end
15 and said free end of said flange being configured to be
16 independently movable with respect to said free end of said
17 flap; and

18 said flap having an adhesive portion and a
19 removable release member covering said adhesive portion, said
20 release member being configured to allow said adhesive
21 portion to be selectively exposed, and said adhesive portion
22 being configured, upon removal of said release member, to
23 adhere to the adjacent insulation material on the fluid
24 conduit.

1 25. The insulation material as defined in claim
2 24, further comprising said jacket including staples adjacent
3 said first edge of said jacket for engaging said flange.

1 26. The insulation material as defined in claim
2 24, further comprising said jacket including staples adjacent
3 said first edge of said jacket for engaging said flange.

1 27. The insulation material as defined in claim
2 24, further comprising:

3 said jacket including fasteners adjacent said
4 first edge of said jacket for engaging said flange; and
5 wherein said adhesive portion of said flap is
6 configured to cover said fasteners.

1 28. A method of fabricating a roll of insulation,
2 comprising:

3 providing a sheet of insulation material
4 having a jacket, said jacket having an inner side and an
5 outer side, and an insulation portion attached to said inner
6 side of said jacket; said jacket extending beyond said
7 insulation portion to form a flange having a free end; said
8 flange having attached thereto an elongated strip of
9 material, said strip of material extending beyond said free
10 end of said flange for substantially the length of said
11 flange, and said free end of said flange being independently
12 movable with respect to said strip of material; said strip of
13 material having an adhesive portion, said adhesive portion
14 being covered by a removable release member to allow said
15 adhesive portion to be selectively exposed; and

16 folding said flange and said strip of
17 material over and substantially adjacent said outer side of
18 said jacket; and

19 forming said insulation material into a roll
20 with said outer side of said jacket being on the outside of
21 said roll.